

WHAT IS CLAIMED IS:

1. An easily assembled tubular connector comprising a plurality of buckling rings and a tube joint; each buckling ring being embedded into and buckled in an inner wall of a tube body; the tube joint being a
5 multi-directional tube joint, i.e., the tube joint being connected to a plurality of tubes in different directions; each connecting direction being embedded with a respective connecting seat to be buckled with the inner wall and the buckling ring;

wherein each buckling ring is a polygon; one of two adjacent
10 surfaces has formed with at least one protruded elastic claw which can be buckled to an inner wall of the tube body; the other of the two adjacent surface is formed with at least one inward reduced elastic hook which is reduced arranged in the tube body;

15 wherein the shape of each connecting seat of each tube joint is corresponding that of the buckling ring; each connecting seat is formed with grooves and stoppers coupled to the claws and hooks of the buckling ring, respectively;

20 wherein a lower end of each stopper is connecting to a first stepped surface and a second stepped surface; the first stepped surface is inclined with a higher side thereof to be connected to the first stepped surface; and the second stepped surface is inclined with a lower side thereof being connected to a respective one of the grooves;

25 wherein each groove is capable of being engaged with the hooks; when the tube body buckled with the buckling ring or the connecting seat of the tube body is rotated to a buckling angle, then the hook in the groove will pass through the first stepped surface to be elastically buckled to the second stepped surface and the inner wall of the tube body; thus the tube joint can be rapidly and firmly secured to the tube

body.

2. The easy assembled tube connector as claimed in claim 1, wherein the claws are inclined sheets.
3. The easy assembled tube connector as claimed in claim 1,
5 wherein each hook 13 has an “＼” (pronounced as “ai”) shape.
4. The easy assembled tube connector as claimed in claim 1, wherein one of two adjacent surfaces has formed with at least one protruded elastic claw which can be buckled to an inner wall of the tube body; the other of the two adjacent surface is formed with at least one
10 inward reduced elastic hook which is reduced arranged in the tube body.
5. The easy assembled tube connector as claimed in claim 1, wherein two opposite end surfaces in the buckling ring are formed with inwards inclined stop; and a top of each stopper is formed with a recess capable of buckling the inwards inclined stop.
- 15 6. The easy assembled tube connector as claimed in claim 1, wherein each connecting seat has a through hole.
7. The easy assembled tube connector as claimed in claim 1, wherein the tops of the first stepped surface and second stepped surface are installed with a first inclined surface and a second stepped surface,
20 respectively, which are connected to the stopper.
8. The easy assembled tube connector as claimed in claim 1, wherein the bucking angle is equal to the angle of each face of the polygon of the buckling ring.
9. The easy assembled tube connector as claimed in claim 1,
25 wherein the buckling angle is equal to the angle between the adjacent groove and stopper of the connecting seat.